

Form PTO-1449

(REV. 8-83)

U.S. Department of
Commerce
Patent and Trademark OfficeAtty. Docket:
2002303-0001In re Application No.
09/253153

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date: Feb. 19, 1999

Group: 1643

P E S C
U. S. PATENT DOCUMENTS

Examiner's Initials	U.S. Patent No.	Applicant	Issue Date	OCT 18 1999 U. S. PATENT & TRADEMARK OFFICE	Class	Subclass
✓	4,689,405	Frank <i>et al.</i>	August 25, 1987	✓	536	27
✓	5,030,841	Wampfler	July 9, 1991		250	571
✓	5,143,854	Pirrung <i>et al.</i>	September 1, 1992		436	518
✓	5,445,934	Fodor <i>et al.</i>	August 29, 1995		435	6
✓	5,510,270	Fodor <i>et al.</i>	April 23, 1996		436	518
✓	5,527,681	Holmes	June 18, 1996		435	6
✓	5,547,839	Dower <i>et al.</i>	August 20, 1996		435	6
✓	5,565,324	Still <i>et al.</i>	October 15, 1996		435	6
✓	5,585,275	Hudson <i>et al.</i>	December 17, 1996		436	518
✓	5,599,695	Pease <i>et al.</i>	February 4, 1997		435	91.1
✓	5,688,696	Lebl	November 18, 1997		436	518
✓	5,807,754	Zambias <i>et al.</i>	September 15, 1998		436	518

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Document No.	Country	Date	Translation	
				Yes	No
✓	WO 96/16078	PCT	November 17, 1995		
✓	0 385 433	EP	February 28, 1990	X	

Examiner's Initials

OTHER DOCUMENTS
(Including Author, Title, Date, Pertinent Pages, Etc.)

✓	Brenner <i>et al.</i> , "Encoded combinatorial chemistry" <i>Proc. Natl. Acad. Sci. USA</i> 89:5381-5383, 1992. ✓
✓	Briceño <i>et al.</i> , "A Class of Cobalt Oxide Magnetoresistance Materials Discovered with Combinatorial Synthesis" <i>Science</i> 270:273-275, 1995. ✓
✓	Bunin <i>et al.</i> , "The combinatorial synthesis and chemical and biological evaluation of a 1,4-benzodiazepine library" <i>Proc. Natl. Acad. Sci. USA</i> 91:4708-4712, 1994. ✓
✓	Czarnik, "Encoding methods for combinatorial chemistry" <i>Current Opinion in Chemical Biology</i> 1:60-66, 1997. ✓
✓	Czarnik, "Encoding strategies in combinatorial chemistry" <i>Proc. Natl. Acad. Sci. USA</i> 94:12738-12739, 1997. ✓

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<i>dk</i>	✓	Danielson <i>et al.</i> , "A combinatorial approach to the discovery and optimization of luminescent materials" <i>Nature</i> 389:944-948, 1997. ✓
✓	✓	DeWitt <i>et al.</i> , "Diversomer™ Technology: Solid Phase Synthesis, Automation, and Integration for the Generation of Chemical Diversity" <i>Drug Development Research</i> 33:116-124, 1994. ✓
✓	✓	Devlin <i>et al.</i> , "Random Peptide Libraries: A Source of Specific Protein Binding Molecules" <i>Science</i> 249:404-406, 1990. ✓
✓	✓	Fodor <i>et al.</i> , "Light-Directed, Spatially Addressable Parallel Chemical Synthesis" <i>Science</i> 251:767-773, 1991. ✓
✓	✓	Frank <i>et al.</i> , "Spot-Synthesis: An Easy Technique for the Positionally Addressable, Parallel Chemical Synthesis on a Membrane Support" <i>Tetrahedron</i> 48(42):9217-9232, 1992. ✓
✓	✓	Freier <i>et al.</i> , "Deconvolution of Combinatorial Libraries for Drug Discovery: A Model System" <i>J. Med. Chem.</i> 38:344-352, 1995. ✓
✓	✓	Furka <i>et al.</i> , "General method for rapid synthesis of multicomponent peptide mixtures" <i>Int. J. Peptide Protein Res.</i> 37:487-493, 1991. ✓
✓	✓	Geysen <i>et al.</i> , "A priori Delineation of a Peptide Which Mimics a Discontinuous Antigenic Determinant" <i>Mol. Immun.</i> 23(7):709-715, 1986. ✓
✓	✓	Gravert <i>et al.</i> , "Organic Synthesis on Soluble Polymer Supports: Liquid-Phase Methodologies" <i>Chem. Rev.</i> 97:489-509, 1997. ✓
✓	✓	Houghten <i>et al.</i> , "Generation and use of synthetic peptide combinatorial libraries for basic research and drug discovery" <i>Nature</i> 354:84-86, 1991. ✓
✓	✓	Konings <i>et al.</i> , "Deconvolution of Combinatorial Libraries for Drug Discovery: Theoretical Comparison of Pooling Strategies" <i>J. Med. Chem.</i> 39:2710-2719, 1996. ✓
✓	✓	Krchnák <i>et al.</i> , "Noninvasive Continuous Monitoring of Solid-Phase Peptide Synthesis by Acid-Base Indicator" <i>Collect. Czech. Chem. Commun.</i> 53:2542-2548, 1988. ✓
✓	✓	Kricka, "Selected Strategies for Improving Sensitivity and Reliability of Immunoassays" <i>Clin. Chem.</i> 40(3):347-357, 1994. ✓
✓	✓	Lam <i>et al.</i> , "A new type of synthetic peptide library for identifying ligand-binding activity" <i>Nature</i> 354:82-84, 1991. ✓
✓	✓	Lam <i>et al.</i> , "The 'One-Bead-One-Compound' Combinatorial Library Method" <i>Chem. Rev.</i> 97:411-448, 1997. ✓
✓	✓	Liang <i>et al.</i> , "Parallel Synthesis and Screening of a Solid Phase Carbohydrate Library" <i>Science</i> 274:1520-1522, 1996. ✓
✓	✓	Nefzi <i>et al.</i> , "The Current Status of Heterocyclic Combinatorial Libraries" <i>Chem. Rev.</i> 97:449-472, 1997. ✓

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<i>Mr.</i>	<input checked="" type="checkbox"/> Ohlmeyer <i>et al.</i> , "Complex synthetic chemical libraries indexed with molecular tags" <i>Proc. Natl. Acad. Sci. USA</i> 90:10922-10926, 1993. <i>✓</i>
<i>✓</i>	Pirrung, "Spatially Addressable Combinatorial Libraries" <i>Chem. Rev.</i> 97:473-488, 1997. <i>✓</i>
<i>✓</i>	Reddington <i>et al.</i> , "Combinatorial Electrochemistry: A Highly Parallel, Optical Screening Methods for Discovery of Better Electrocatalysts" <i>Science</i> 280:1735-1737, 1998. <i>✓</i>
<i>✓</i>	Schmidt <i>et al.</i> , "Molecular Interaction Between the Strep-tag Affinity Peptide and its Cognate Target, Streptavidin" <i>J. Mol. Biol.</i> 255:753-766, 1996. <i>✓</i>
<i>✓</i>	Senkan, "High-throughput screening of solid-state catalyst libraries" <i>Nature</i> 394:350-353, 1998. <i>✓</i>
<i>✓</i>	Thompson <i>et al.</i> , "Synthesis and Applications of Small Molecule Libraries" <i>Chem. Rev.</i> 96:555-600, 1996. <i>✓</i>

EXAMINER

DATE CONSIDERED *6/16/00*

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.